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H. den Daas, O.L.J. Gijzeman and J.W. Geus, Oxidation of ultrathin iron layers on Cu(100). Composition of the oxide films 285 (1993) 15

Iron oxide
G. Tarrach, D. Bürgler, T. Schaub, R. Wiesendanger and H.-J. Güntherodt, Atomic surface structure of Fe_3O_4(001) in different preparation stages studied by scanning tunneling microscopy 285 (1993) 1

Magnetic structures
R. Lüthi, H. Haefke, P. Grütter, H.-J. Güntherodt, L. Szcześniak and K.P. Meyer, Surface and domain structures of ferroelectric GASH crystals studied by scanning force microscopy 285 (1993) L498

Methanol
F. Solymosi, A. Berkó and Z. Tóth, Adsorption and dissociation of CH_3OH on clean and K-promoted Pd(100) surfaces 285 (1993) 197

Mossbauer spectroscopy
G. Krausch, R. Fink, K. Jacobs, B. Luckscheiter, J. Lohmüller, B.-U. Runge, U. Wöhrmann and G. Schatz, Indium adsorption on silicon surfaces: a PAC study 285 (1993) 81

Nickel
N. Memmel, G. Rangelov and E. Bertel, Influence of the substrate on the band structure of alkali metal monolayers 285 (1993) 109

Nitric oxide
A. Morgante, D. Cvetko, A. Santoni, K.C. Prince, V.R. Dhanak, G. Comelli and M. Kiskinova, A synchrotron radiation study of NO and oxygen on Rh(110) 285 (1993) 227

Noble gases
P. Zeppenfeld, K. Kern, R. David, U. Becher and G. Comsa, Mixtures of Kr and Xe physisorbed on Pt(111): a prototype of a stochastic two-dimensional alloy 285 (1993) L461
M. Sato, Ion current characteristics of an Ar field ionization source 285 (1993) L525
H. Schlichting and D. Menzel, Techniques for wide range, high resolution and precision, thermal desorption measurements. I. Principles of apparatus and operation 285 (1993) 209

Organic substances
D.H. Fairbrother, X.D. Peng, R. Viswanathan, P.C. Stair, M. Trenary and J. Fan, Carbon–carbon coupling of methyl groups on Pt(111) 285 (1993) L455
Y. Bu, J.C.S. Chu and M.C. Lin, Thermal stability of trimethyl indium on Si(100)(2 × 1) as studied with HREELS, UPS and XPS: a comparison with the results from Si(111)(7 × 7) and Si(110) studies 285 (1993) 243

Oxides
Y. Liang and D.A. Bonnell, Atomic structures of reduced $SrTiO_3$(001) surfaces 285 (1993) L510
J.K.N. Sharma, B.R. Chakraborty and S. Bera, Study of oxidation and silicidation of Ta by electron impact autoionization process 285 (1993) 237

Oxygen
H. den Daas, O.L.J. Gijzeman and J.W. Geus, Oxidation of ultrathin iron layers on Cu(100). Composition of the oxide films 285 (1993) 15
A. Morgante, D. Cvetko, A. Santoni, K.C. Prince, V.R. Dhanak, G. Comelli and M. Kiskinova, A synchrotron radiation study of NO and oxygen on Rh(110) 285 (1993) 227

Palladium
F. Solymosi, A. Berkó and Z. Tóth, Adsorption and dissociation of CH_3OH on clean and K-promoted Pd(100) surfaces 285 (1993) 197

Photoelectron spectroscopy
D.R. Mullins and P.F. Lyman, Sulfur-induced changes in the W(001) surface core level shift 285 (1993) L473
K.B. Ray, X. Pan and E.W. Plummer, The interaction of H with Be(0001): a photoemission investigation 285 (1993) 66
A. Hamawi and L. Walldén, Quantum size effect for Na films on Si(100) 285 (1993) 93
F. Solymosi, A. Berkó and Z. Tóth, Adsorption and dissociation of CH_3OH on clean and K-promoted Pd(100) surfaces 285 (1993) 197
A. Morgante, D. Cvetko, A. Santoni, K.C. Prince, V.R. Dhanak, G. Comelli and M. Kiskinova, A synchrotron radiation study of NO and oxygen on Rh(110) 285 (1993) 227
Y. Bu, J.C.S. Chu and M.C. Lin, Thermal stability of trimethyl indium on Si(100)(2 × 1) as studied with HREELS, UPS and XPS: a comparison with the results from Si(111)(7 × 7) and Si(110) studies 285 (1993) 243

Photon emission
N. Memmel, G. Rangelov and E. Bertel, Influence of the substrate on the band structure of alkali metal monolayers 285 (1993) 109

Platinum
D.H. Fairbrother, X.D. Peng, R. Viswanathan, P.C. Stair, M. Trenary and J. Fan, Carbon–carbon coupling of methyl groups on Pt(111) 285 (1993) L455

P. Zeppenfeld, K. Kern, R. David, U. Becher and G. Comsa, Mixtures of Kr and Xe physisorbed on Pt(111): a prototype of a stochastic two-dimensional alloy 285 (1993) L461

Rhodium

Y. Li and M. Bowker, Acetate formation, stabilisation and surface explosion on Rh(111) 285 (1993) 219

A. Morgante, D. Cvetko, A. Santoni, K.C. Prince, V.R. Dhanak, G. Comelli and M. Kiskinova, A synchrotron radiation study of NO and oxygen on Rh(110) 285 (1993) 227

Secondary ion mass spectroscopy

J. Lin, A.T.S. Wee, A.C.H. Huan and K.L. Tan, SIMS study of the formic acid adsorption on polycrystalline copper and CuCl(111) surfaces 285 (1993) 31

Silicides

J.K.N. Sharma, B.R. Chakraborty and S. Bera, Study of oxidation and silicidation of Ta by electron impact autoionization process 285 (1993) 237

Silicon

P. Xu, D. Dunn, J.P. Zhang and L.D. Marks, Atomic imaging of surfaces in plan view 285 (1993) L479

B.I. Craig, A theoretical examination of the electron localisation within a small hydrogen covered silicon outcrop on Si(001) 285 (1993) L486

J.M. Lopez Sancho, M.C. Refolio, M.P. Lopez Sancho and J. Rubio, Extended Hubbard model analysis of semiconductor–alkali interfaces: implications for the metallization problem 285 (1993) L491

G. Krausch, R. Fink, K. Jacobs, B. Luckscheiter, J. Lohmüller, B.-U. Runge, U. Wöhrmann and G. Schatz, Indium adsorption on silicon surfaces: a PAC study 285 (1993) 81

A. Hamawi and L. Walldén, Quantum size effect for Na films on Si(100) 285 (1993) 93

P. Badziag and W.S. Verwoerd, Quantum chemical modeling of the scanning tunneling microscope 285 (1993) 145

Y. Bu, J.C.S. Chu and M.C. Lin, Thermal stability of trimethyl indium on Si(100)(2 × 1) as studied with HREELS, UPS and XPS: a comparison with the results from Si(111)(7 × 7) and Si(110) studies 285 (1993) 243

P. Jakob, Y.J. Chabal, K. Raghavachari, P. Dumas and S.B. Christman, Imperfections on the chemically prepared, ideally H-terminated Si(111)-(1 × 1) surfaces 285 (1993) 251

T. Halicioglu, Carbon atoms on the (2 × 1) reconstructed Si(100) surface 285 (1993) 259

M.K. Kelly, S. Zollner and M. Cardona, Modelling the optical response of surfaces measured by spectroscopic ellipsometry: application to Si and Ge 285 (1993) 282

B.I. Craig and P.V. Smith, Erratum to "The structures of small hydrocarbons adsorbed on Si(001) and Si terminated β-SiC(001)" [Surface Science 276 (1992) 174] 285 (1993) 295

Silicon carbide

Kai Wu, Dezheng Wang, Xuming Wei, Yuming Cao and Xiexian Guo, An anomalous adsorption curve: Cl on Ag(111) 285 (1993) L522

B.I. Craig and P.V. Smith, Erratum to "The structures of small hydrocarbons adsorbed on Si(001) and Si terminated β-SiC(001)" [Surface Science 276 (1992) 174] 285 (1993) 295

Silver

P. Aebi, M. Erbudak, A.P. Hitchcock, M. Szymonski, T. Tyliszczak and E. Wetli, Imaging of surfaces by means of secondary electrons 285 (1993) 275

Sulphur
M.M. Montagono and J. Cabané, Thermodynamics of sulphur adsorption on iron 285 (1993) L468
D.R. Mullins and P.F. Lyman, Sulfur-induced changes in the W(001) surface core level shift 285 (1993) L473

Surface morphology
E.A. Eklund, E.J. Snyder and R.S. Williams, Correlation from randomness: quantitative analysis of ion-etched graphite surfaces using the scanning tunneling microscope 285 (1993) 157

Surface segregation
M.M. Montagono and J. Cabané, Thermodynamics of sulphur adsorption on iron 285 (1993) L468

Surface states and interface states
M. Heinrichsmeier, A. Fleszar and A.G. Eguiluz, LDA calculation of the surface states on the (001), (110), and (111) surfaces of aluminum 285 (1993) 129

Surface structure
G. Tarrach, D. Bürgler, T. Schaub, R. Wiesendanger and H.-J. Güntherodt, Atomic surface structure of Fe_3O_4(001) in different preparation stages studied by scanning tunneling microscopy 285 (1993) 1
Y. Huang and J.M. Cowley, A study of the Cu_3Au(110) surface structure by RHEED 285 (1993) 42
K. Osuch and W.S. Verwoerd, Surface reconstruction of cubic boron nitride (001) 285 (1993) 59
P.S. Mangat, S.T. Kim, K.M. Choudhary, Z. Hurych and P. Soukiassian, Polarization-dependent photoemission EXAFS investigation of the InP(110) surface structure 285 (1993) 102
Y. Liang and D.A. Bonnell, Atomic structures of reduced $SrTiO_3$(001) surfaces 285 (1993) L510
I. Manassidis, A. De Vita and M.J. Gillan, Structure of the (0001) surface of α-Al_2O_3 from first principles calculations 285 (1993) L517
P. Badziag and W.S. Verwoerd, Quantum chemical modeling of the scanning tunneling microscope 285 (1993) 145
B.I. Craig and P.V. Smith, Erratum to "The structures of small hydrocarbons adsorbed on Si(001) and Si terminated β-SiC(001)" [Surface Science 276 (1992) 174] 285 (1993) 295

Thermal desorption
B.A. Chuikov, V.V. Dvurechenskikh, V.D. Osovskii, Yu.G. Ptushinskii and V.G. Sukretnyi, Adsorption of H_2 and D_2 on W(111) and W(110) surfaces at low temperatures (down to 5 K) 285 (1993) 75
T. Wada, T. Nomura, M. Miyao and M. Hagino, A thermal desorption analysis for the adsorption of CO_2 on GaAs photocathodes 285 (1993) 188
F. Solymosi, A. Berkó and Z. Tóth, Adsorption and dissociation of CH_3OH on clean and K-promoted Pd(100) surfaces 285 (1993) 197
H. Schlichting and D. Menzel, Techniques for wide range, high resolution and precision, thermal desorption measurements. I. Principles of apparatus and operation 285 (1993) 209
Y. Li and M. Bowker, Acetate formation, stabilisation and surface explosion on Rh(111) 285 (1993) 219

Titanium oxide
R. Souda, W. Hayami, T. Aizawa and Y. Ishizawa, Low energy D^+ scattering from clean and alkalated TiO_2(110) surfaces 285 (1993) 265

Tungsten
D.R. Mullins and P.F. Lyman, Sulfur-induced changes in the W(001) surface core level shift 285 (1993) L473
B.A. Chuikov, V.V. Dvurechenskikh, V.D. Osovskii, Yu.G. Ptushinskii and V.G. Sukretnyi, Adsorption of H_2 and D_2 on W(111) and W(110) surfaces at low temperatures (down to 5 K) 285 (1993) 75
M. Sato, Ion current characteristics of an Ar field ionization source 285 (1993) L525

Tunneling
G. Tarrach, D. Bürgler, T. Schaub, R. Wiesendanger and H.-J. Güntherodt, Atomic surface structure of Fe_3O_4(001) in different preparation stages studied by scanning tunneling microscopy 285 (1993) 1
G.W. Lloyd and D.P. Woodruff, Do oxygen-induced Cu(410) facets reconstruct? 285 (1993) L503
Y. Liang and D.A. Bonnell, Atomic structures of reduced $SrTiO_3$(001) surfaces 285 (1993) L510
P. Badziag and W.S. Verwoerd, Quantum chemical modeling of the scanning tunneling microscope 285 (1993) 145
E.A. Eklund, E.J. Snyder and R.S. Williams, Correlation from randomness: quantitative analysis of ion-etched graphite surfaces using the scanning tunneling microscope 285 (1993) 157
K. Kobayashi, T. Suzuki and M. Tsukada, Theory of tip–surface gap dependence in laser-assisted scanning tunneling microscopy 285 (1993) 181

Work function
A. Hamawi and L. Walldén, Quantum size effect for Na films on Si(100) 285 (1993) 93

X-ray absorption
P.S. Mangat, S.T. Kim, K.M. Choudhary, Z. Hurych and P. Soukiassian, Polarization-dependent photoemission EXAFS investigation of the InP(110) surface structure 285 (1993) 102
A. Morgante, D. Cvetko, A. Santoni, K.C. Prince, V.R. Dhanak, G. Comelli and M. Kiskinova, A synchrotron radiation study of NO and oxygen on Rh(110) 285 (1993) 227